

0.6. Fig: 5
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FIG.1

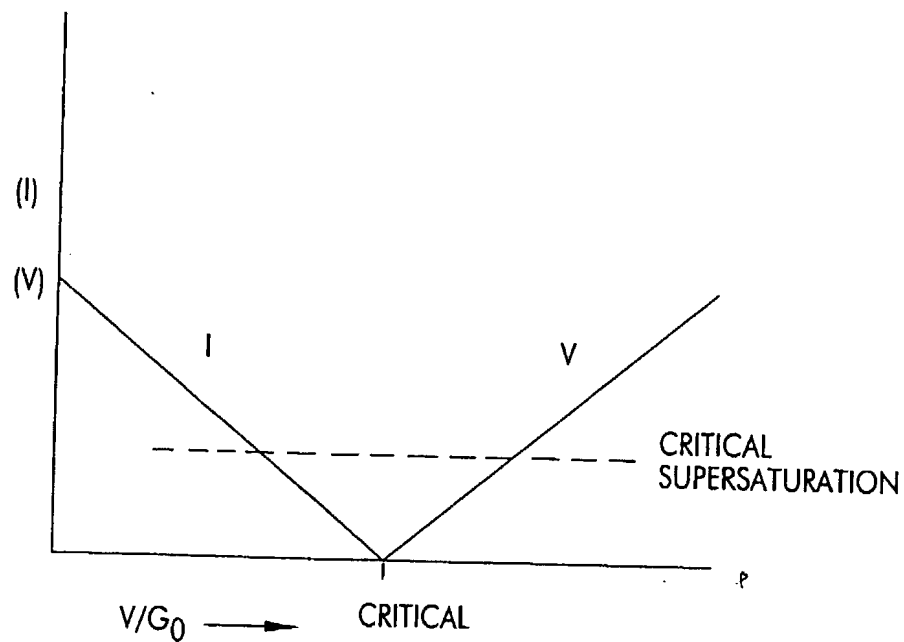
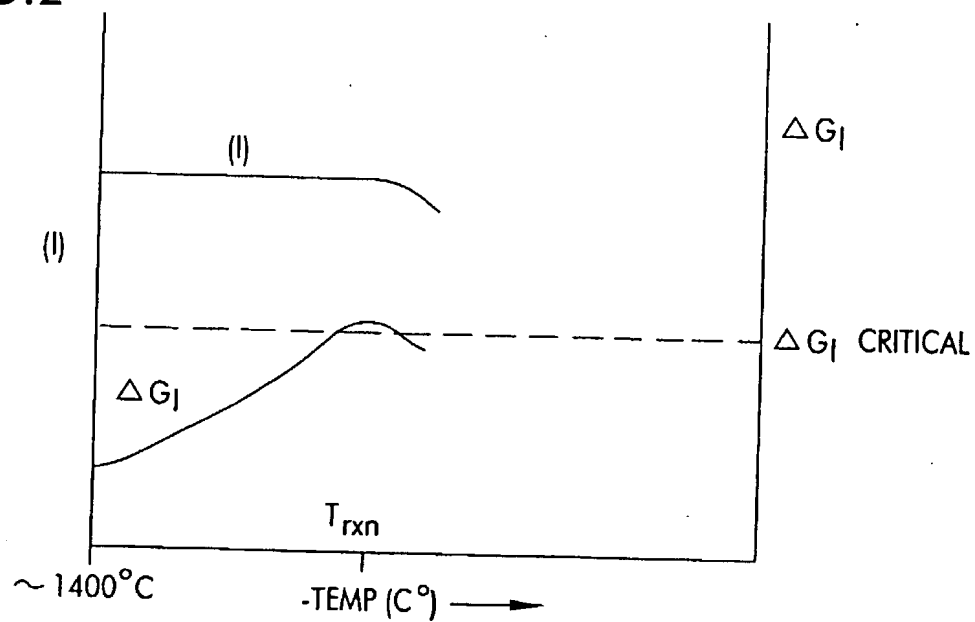


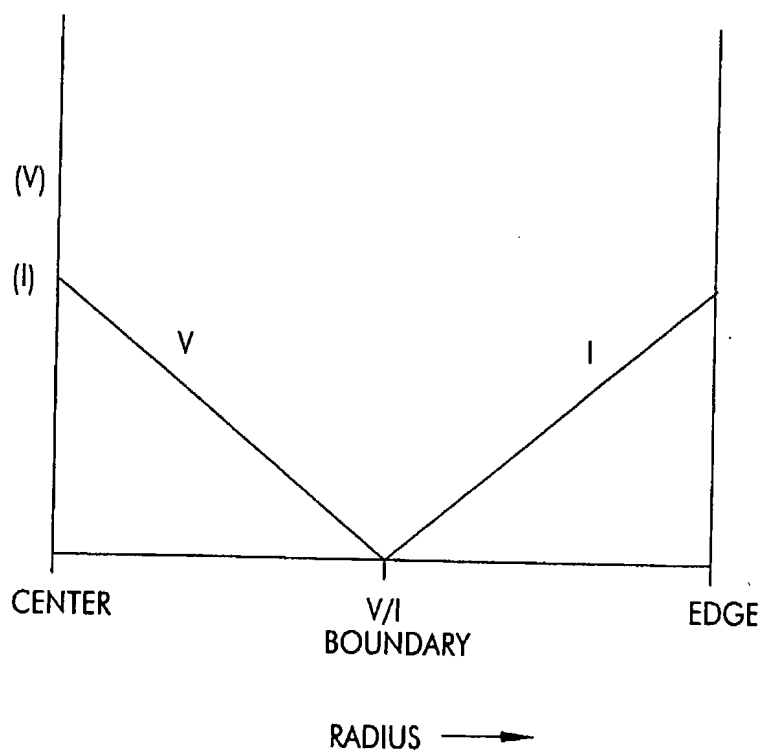
FIG.2



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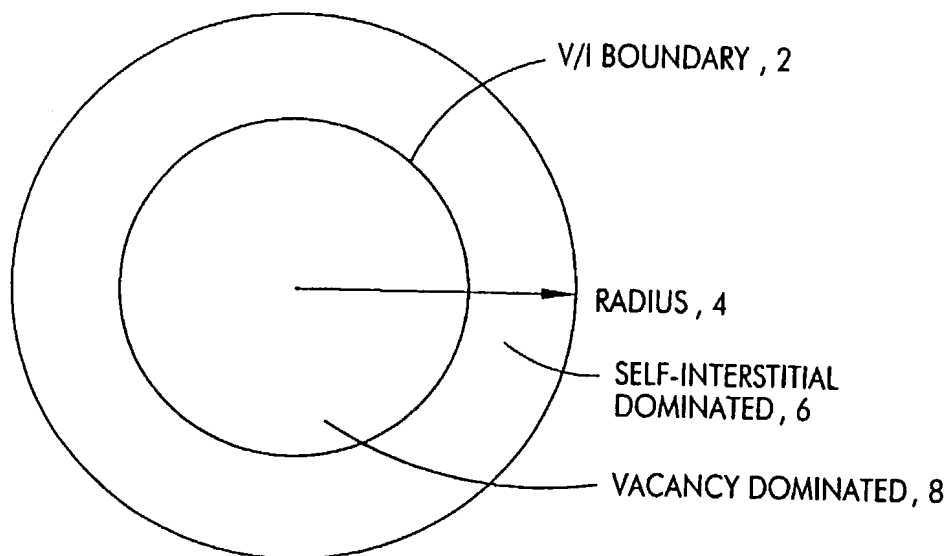
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FIG.3



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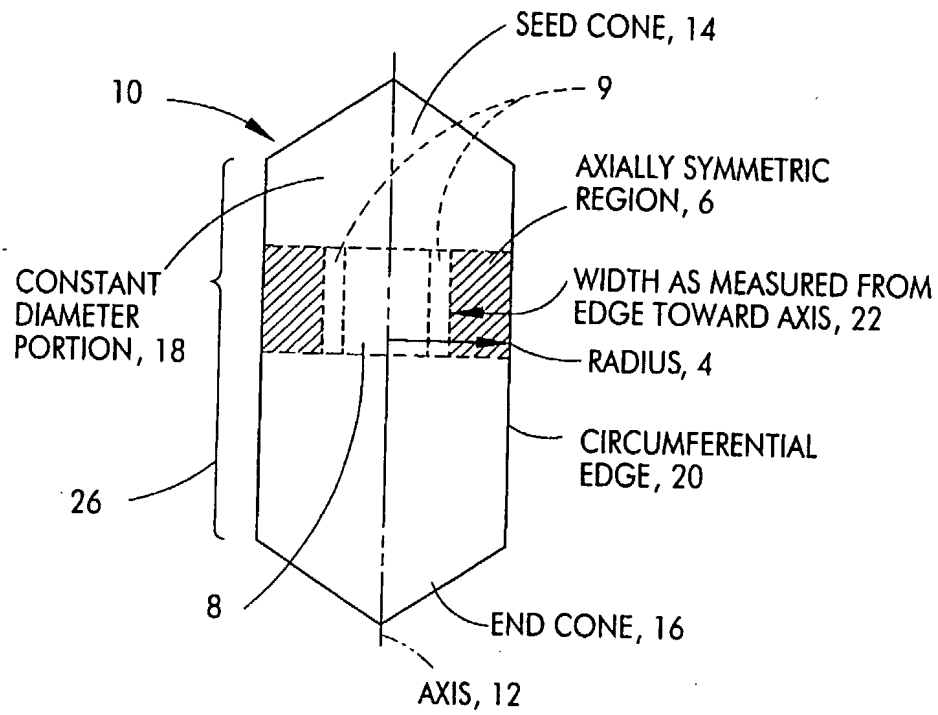
FIG.4



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FIG.5



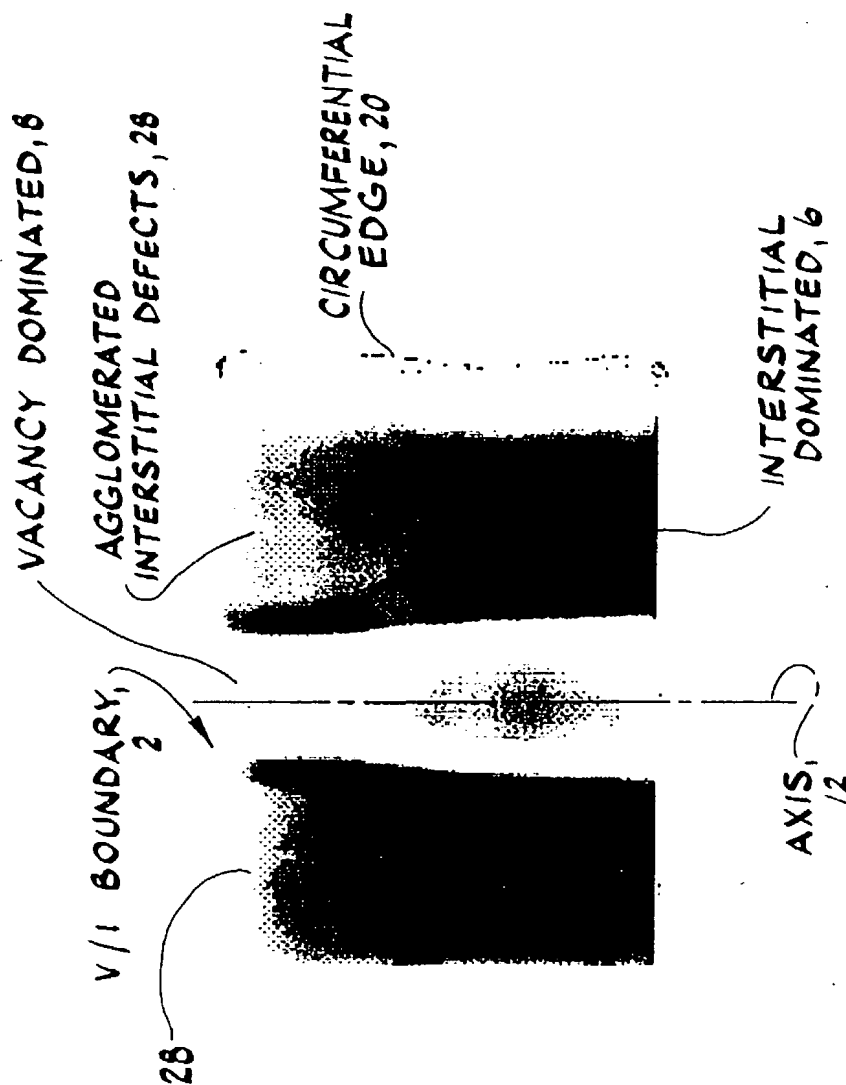
20170209052001

O.G. Fig. 5
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FIG. 6

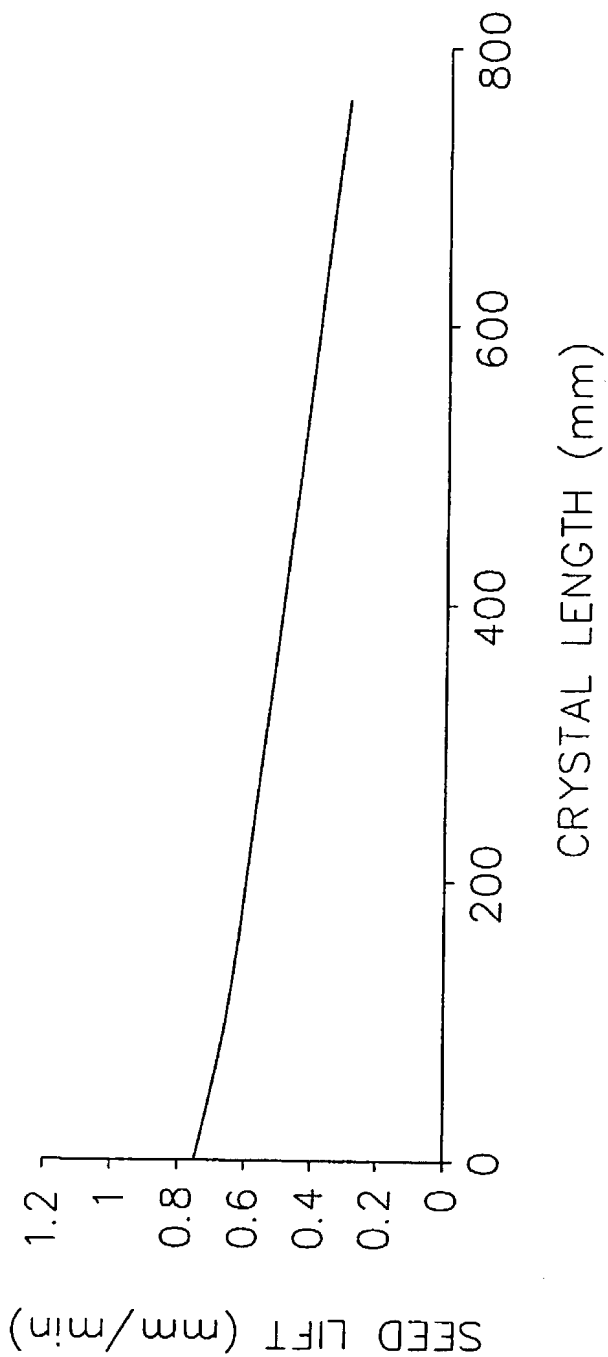


O.G. Fig: 5
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FIG. 7

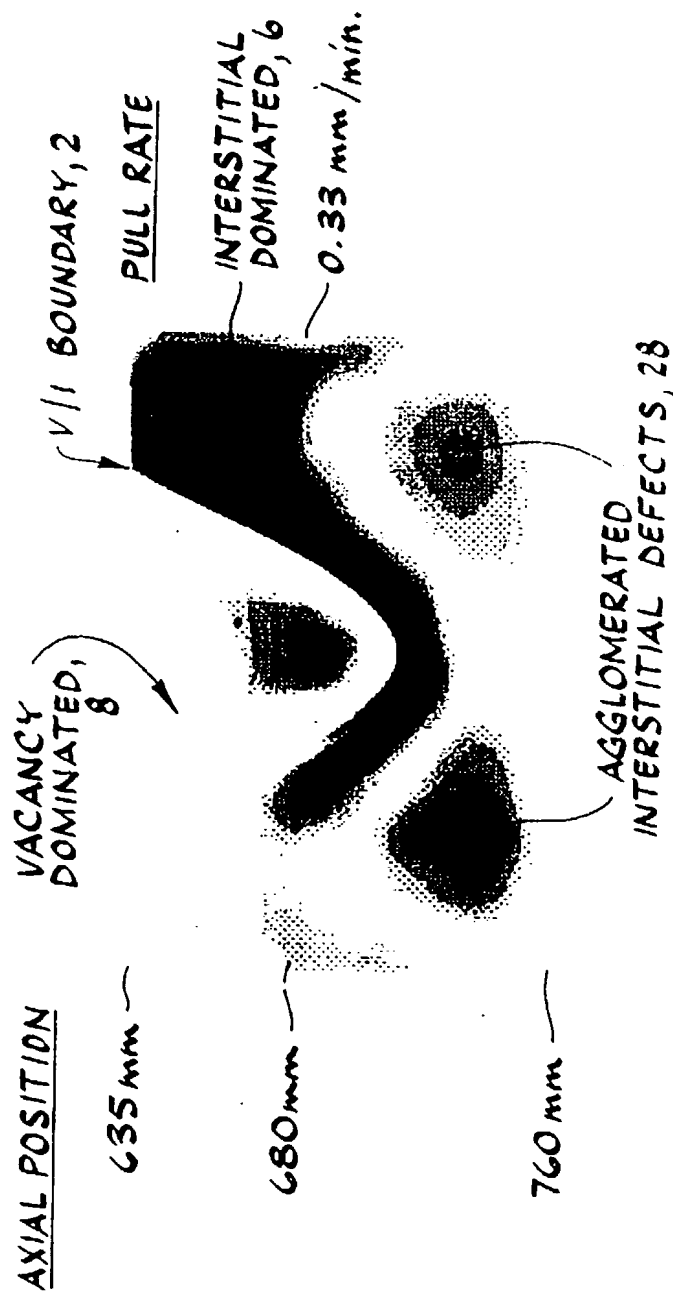


O.G. Fig = 5
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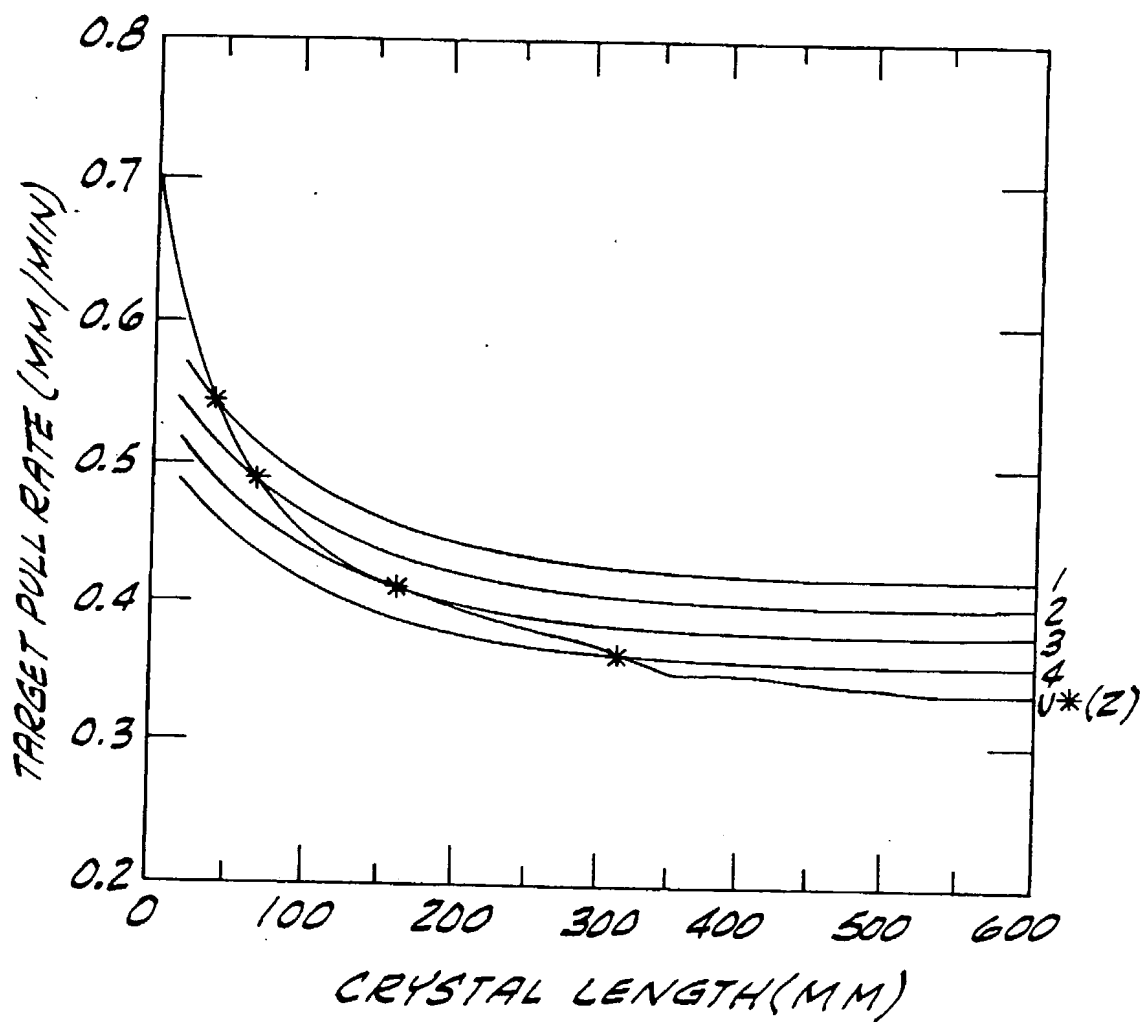
FIG. 8



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FIG. 9



OG Fig. 5
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FIG. 10

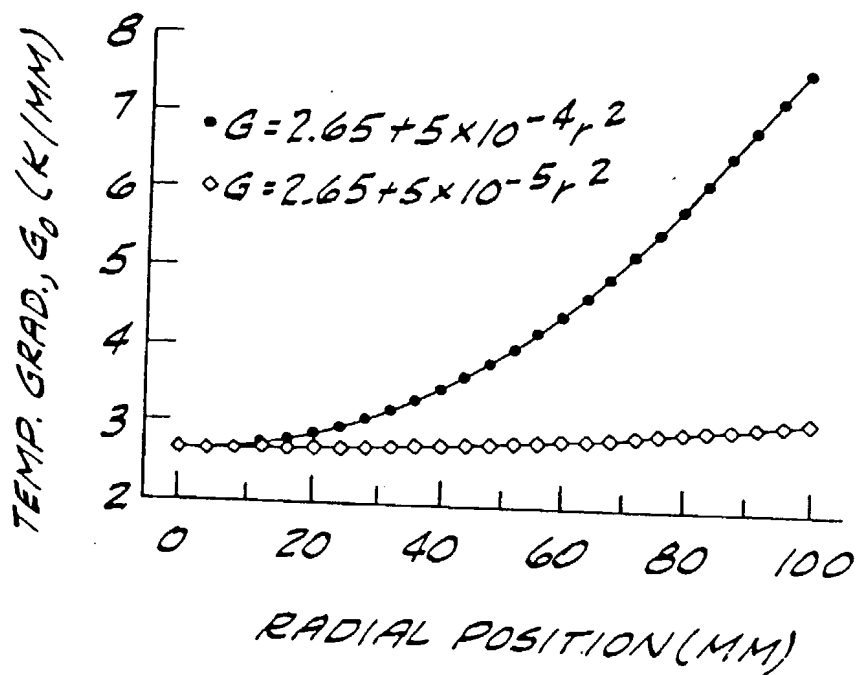
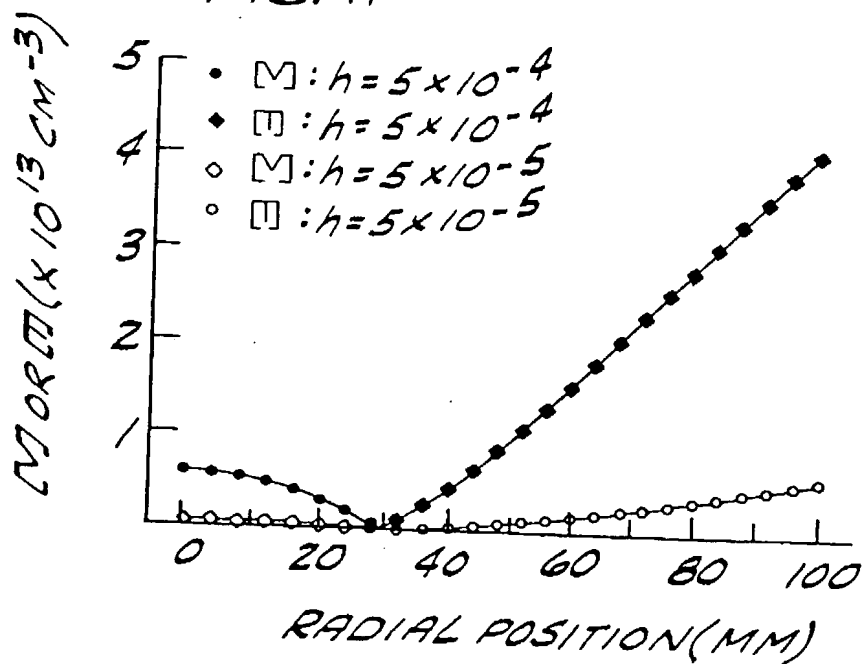


FIG. 11



O.G. Fig: 5
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FIG. 12

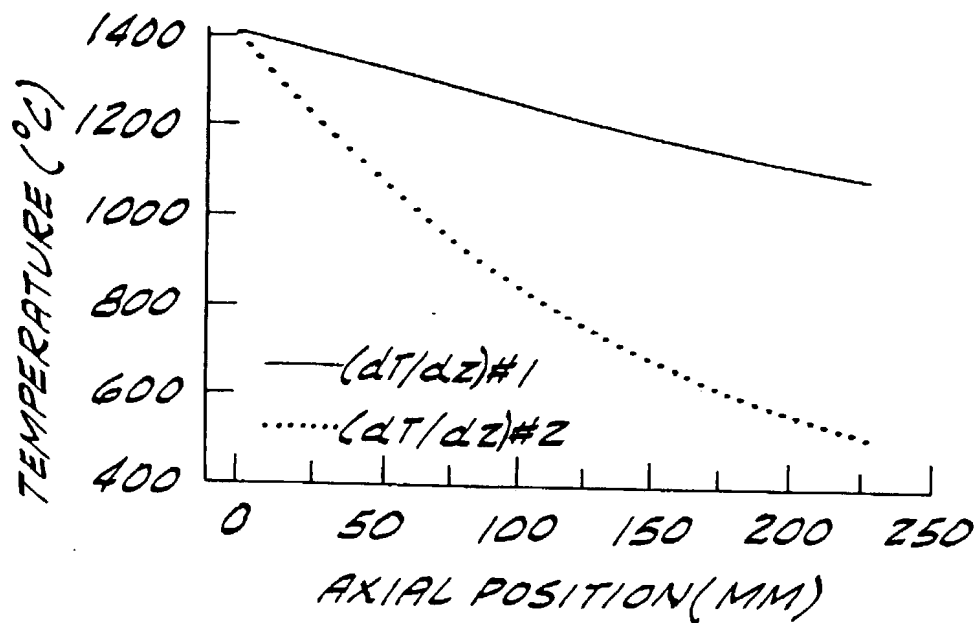
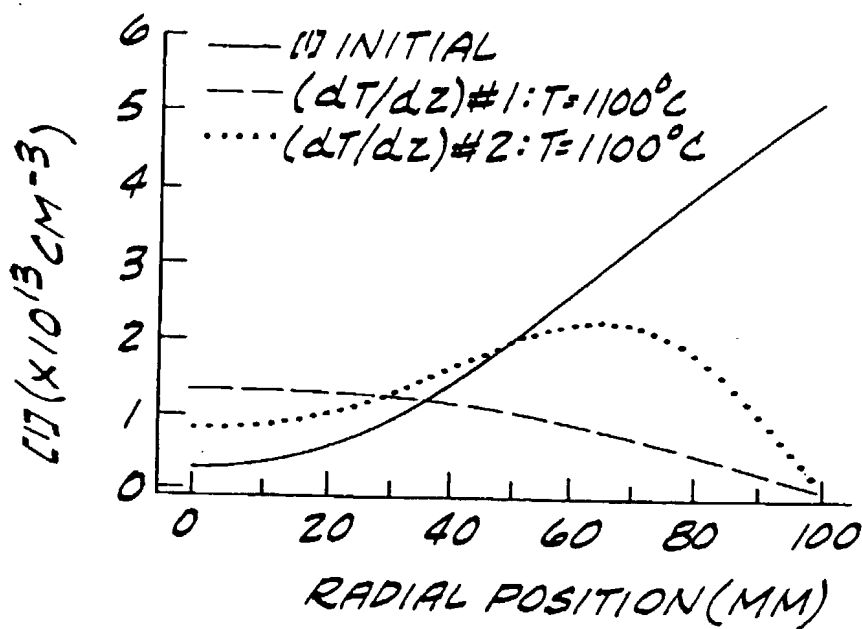


FIG. 13

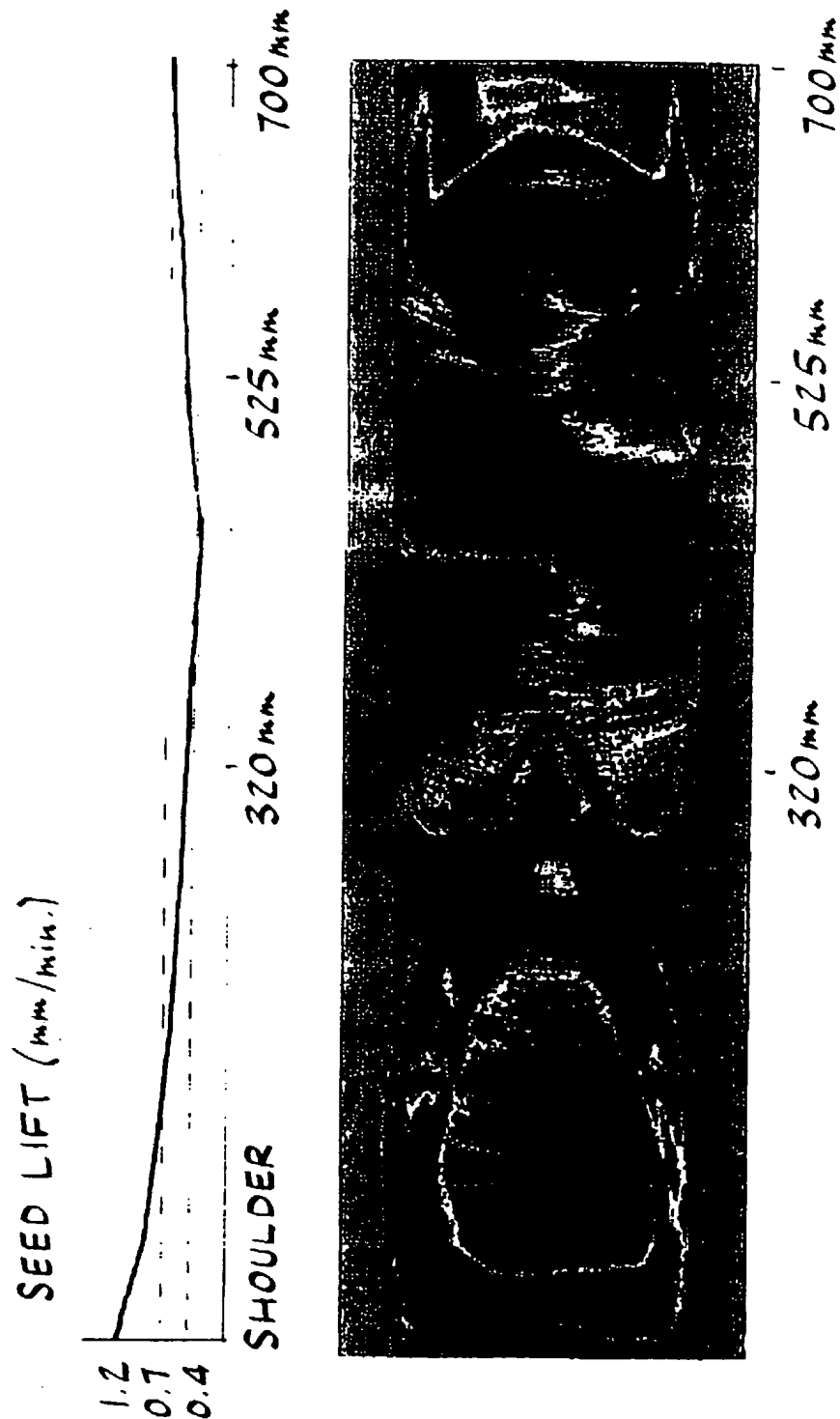


0.6. Fig: 5
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FIG. 14



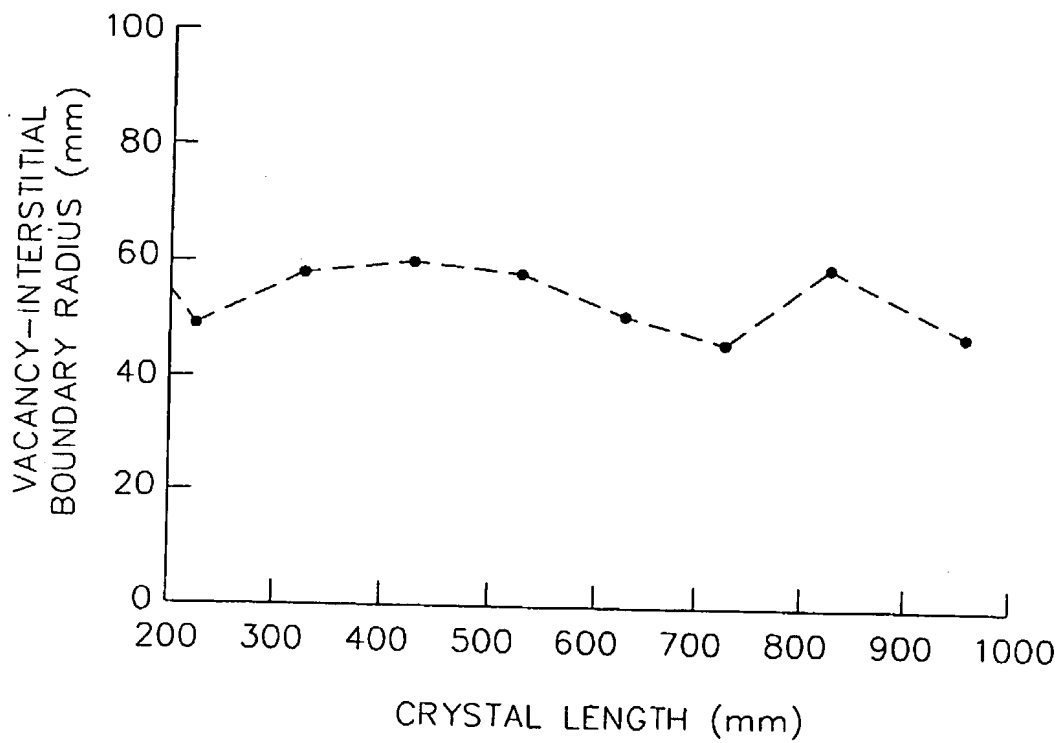
0.6. Fig: 5
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FIG. 15

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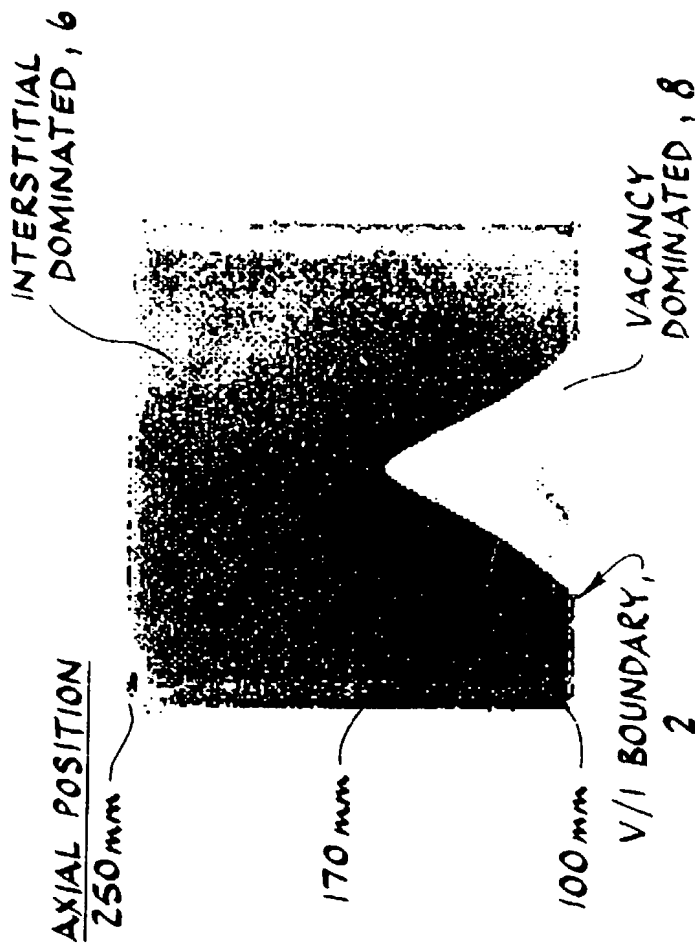


0.6. Fig: 5
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FIG. 16a

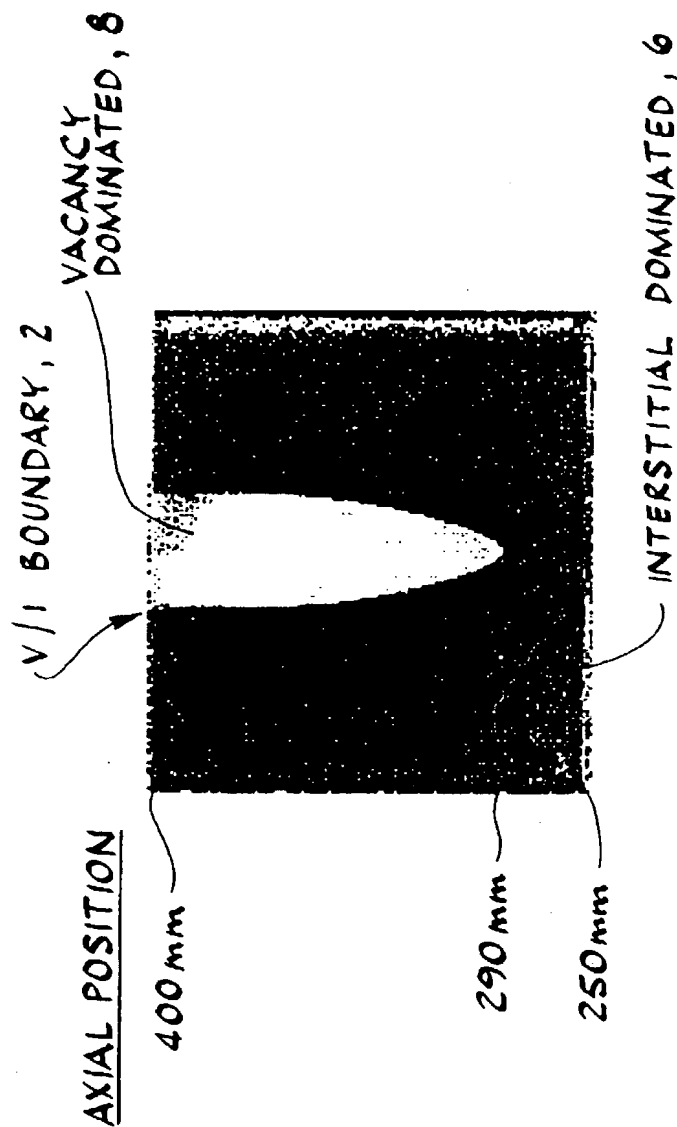


O.G. Fig: 5
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FIG. 16b

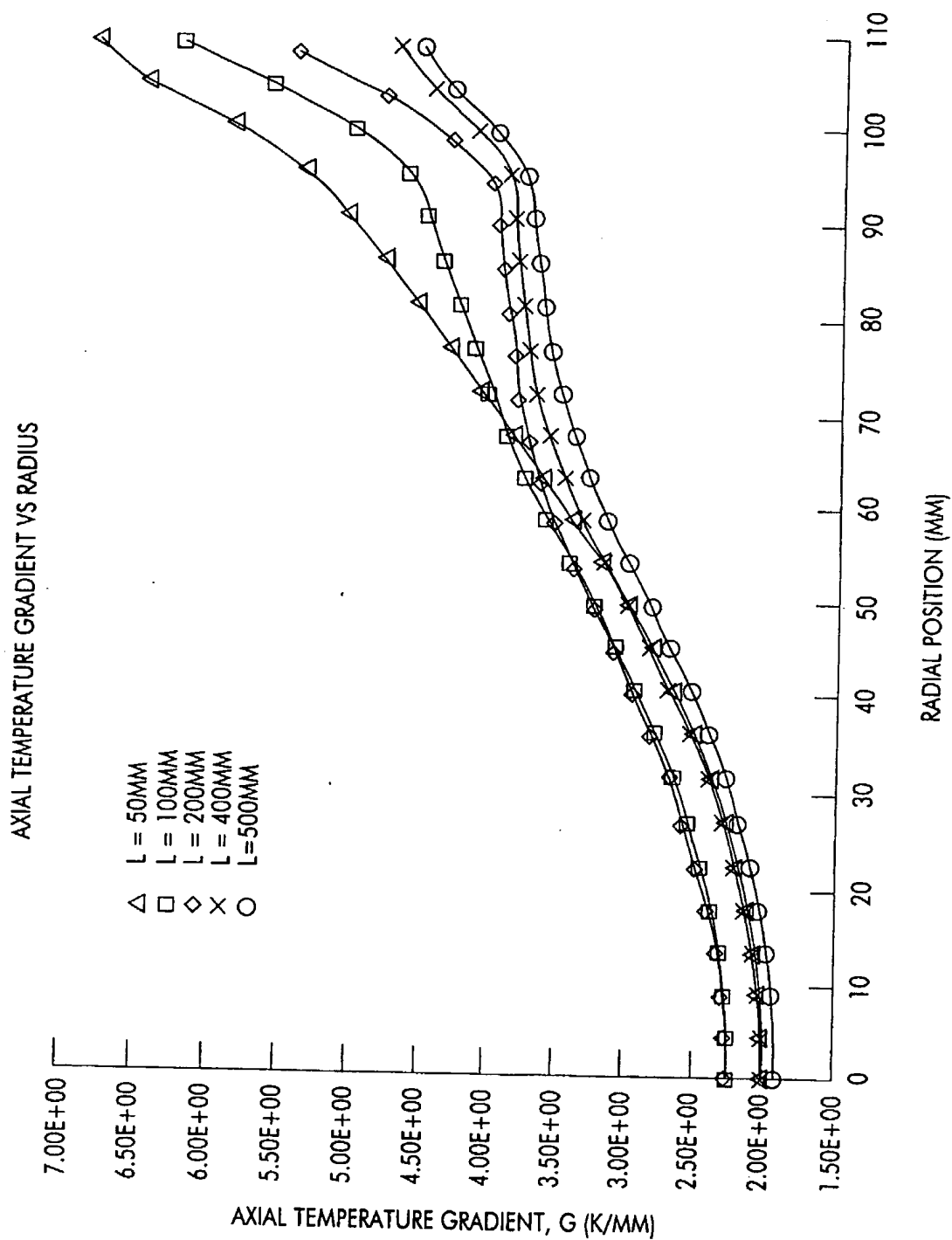


O.G. Fig: 5
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FIG.17

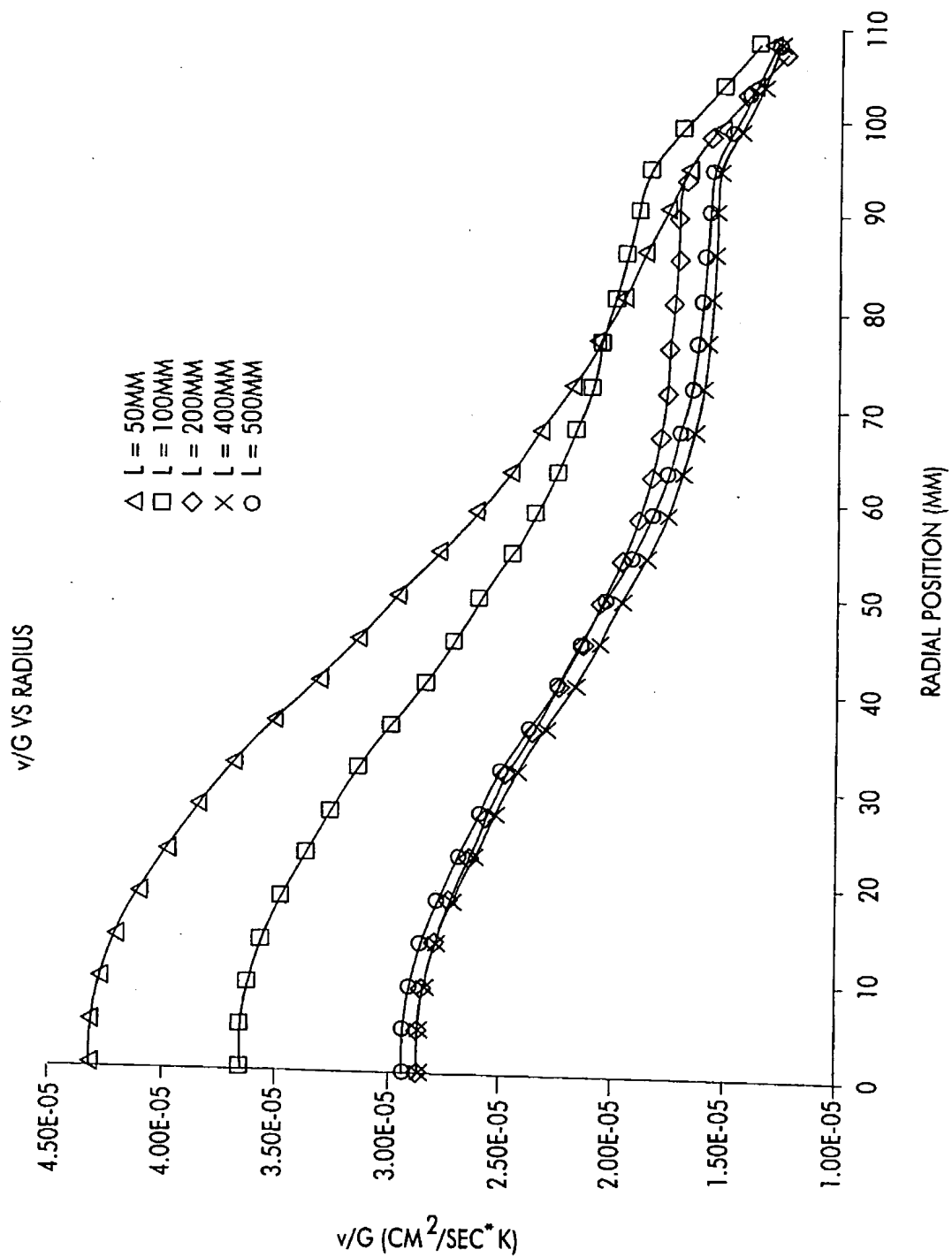


O.G. Fig-5
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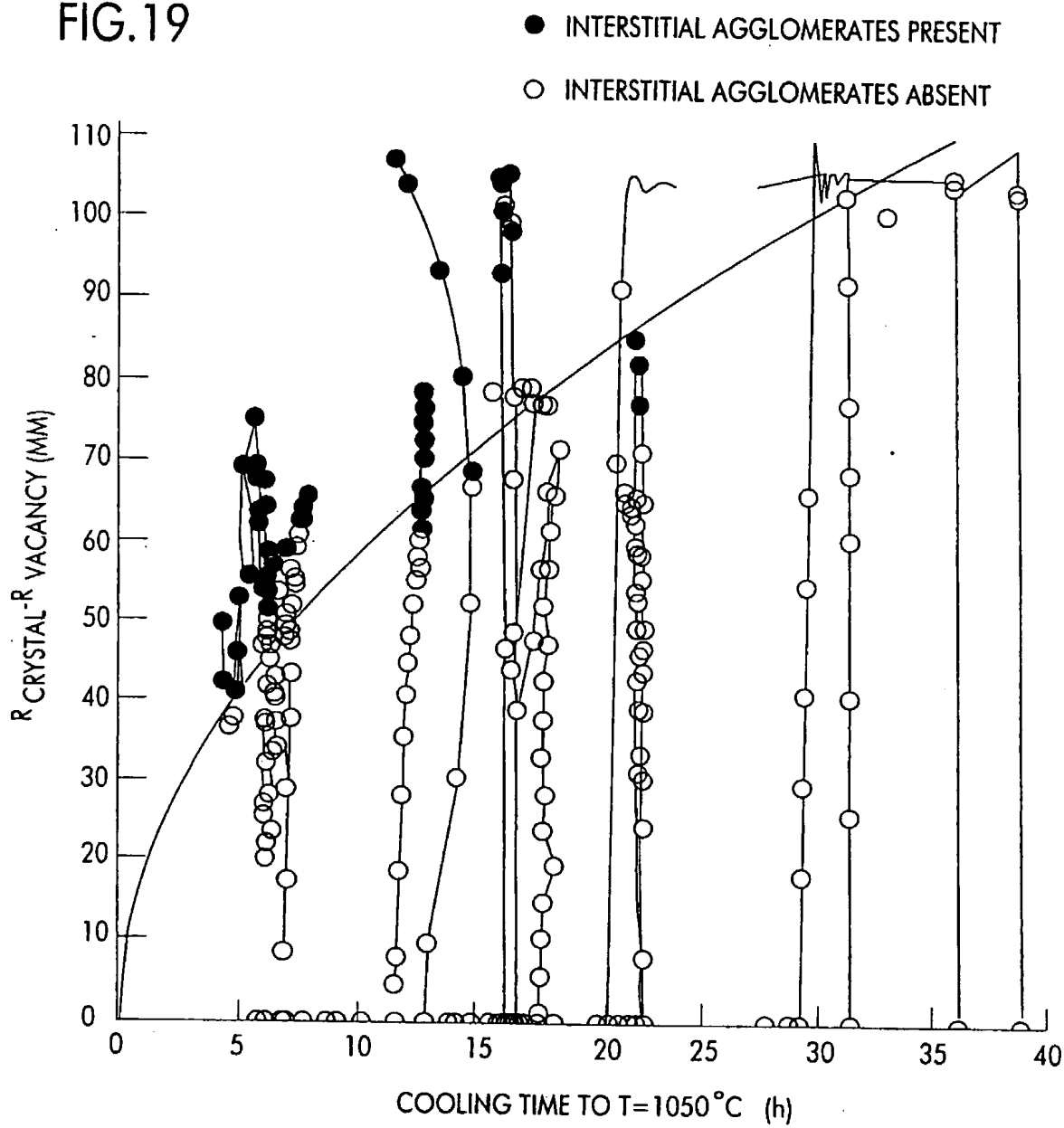
FIG.18



0.6.Fig:5
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FIG.19



O.G.F. 5
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FIG. 20

AXIAL
POSITION

235 mm

255 mm

350 mm

V/1 BOUNDARY, 2

VACANCY
DOMINATED, 8

PULL RATE

- 0.4 mm/min.



AGGLOMERATED
INTERSTITIAL DEFECTS, 28

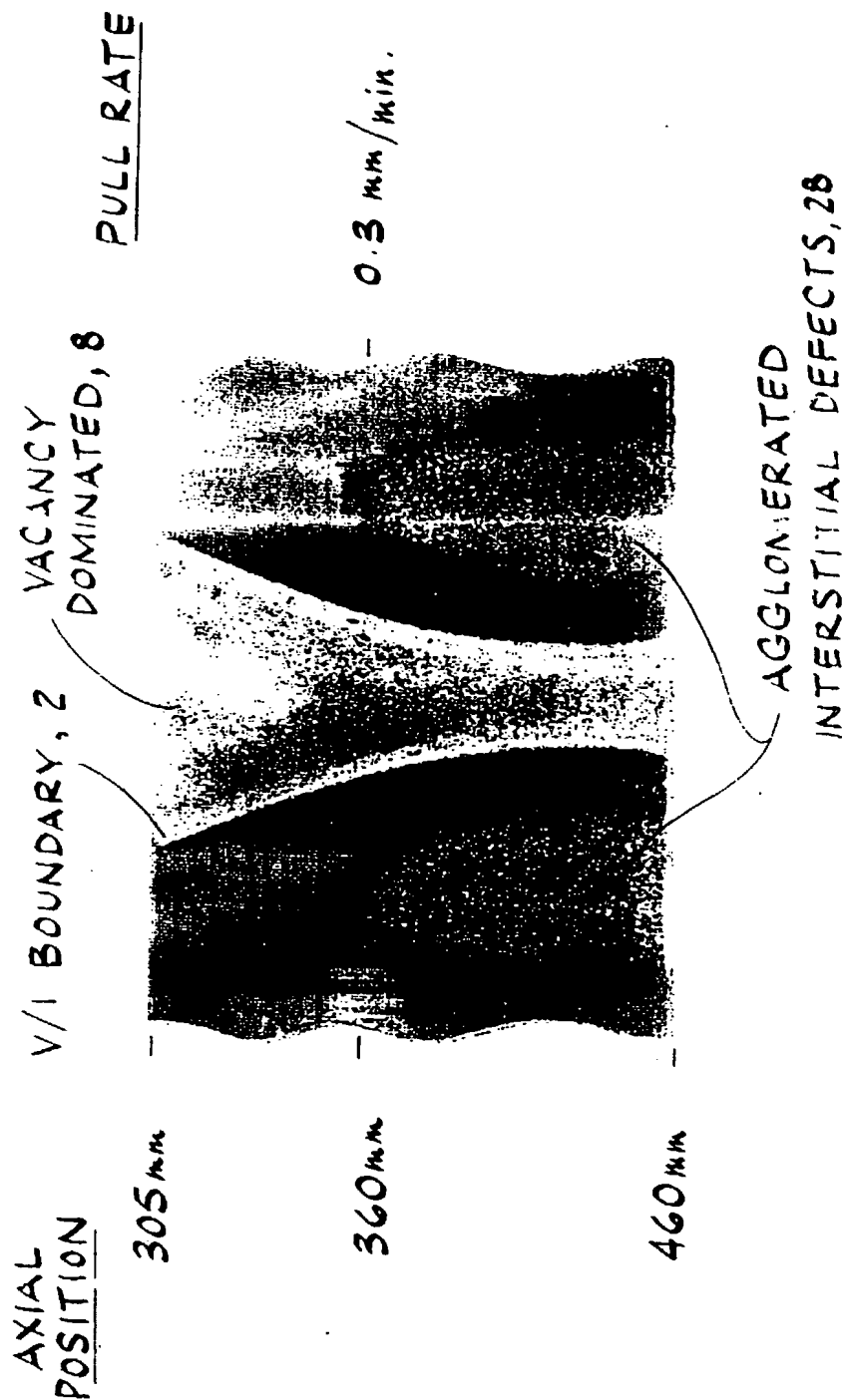
0.6. Fig: 5
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FIG. 21



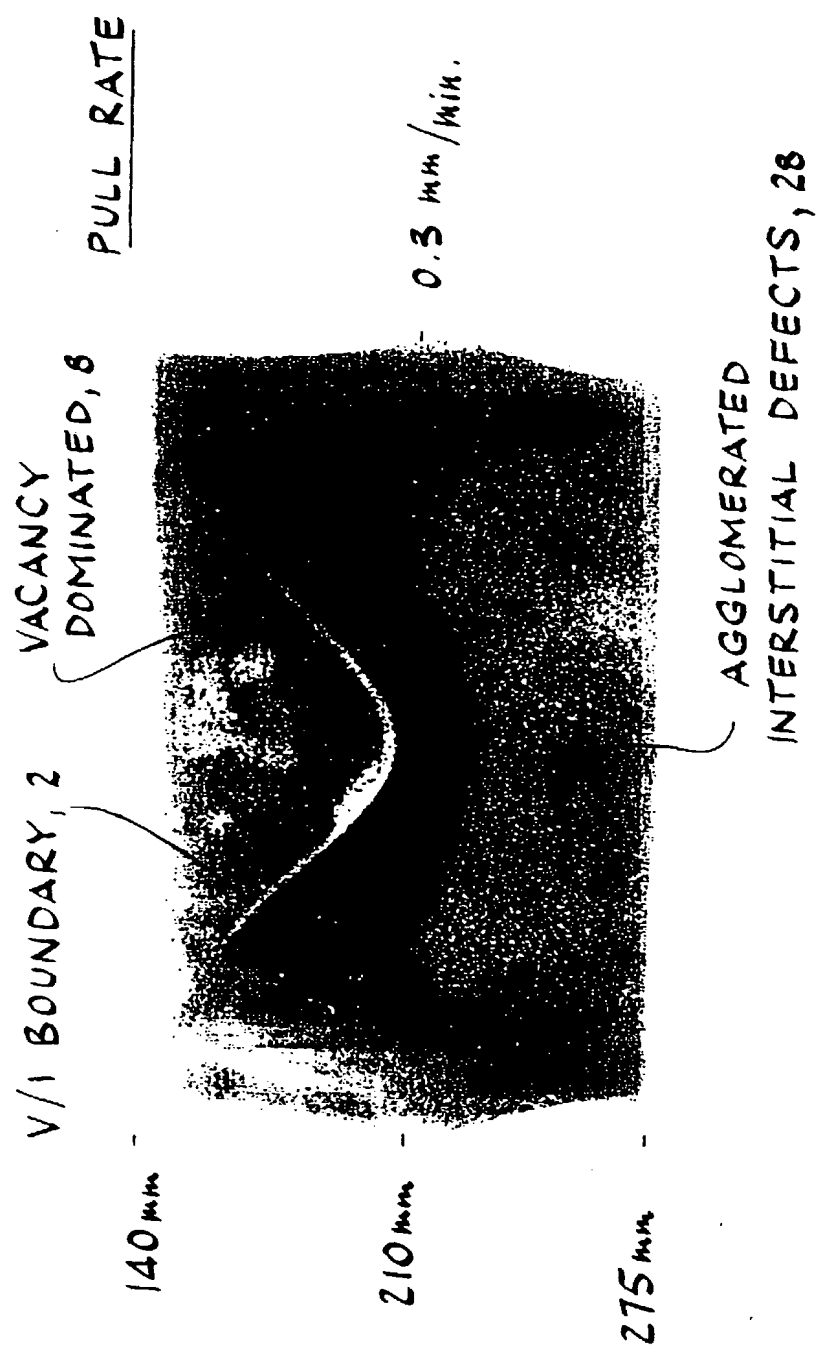
06. Fig: 5
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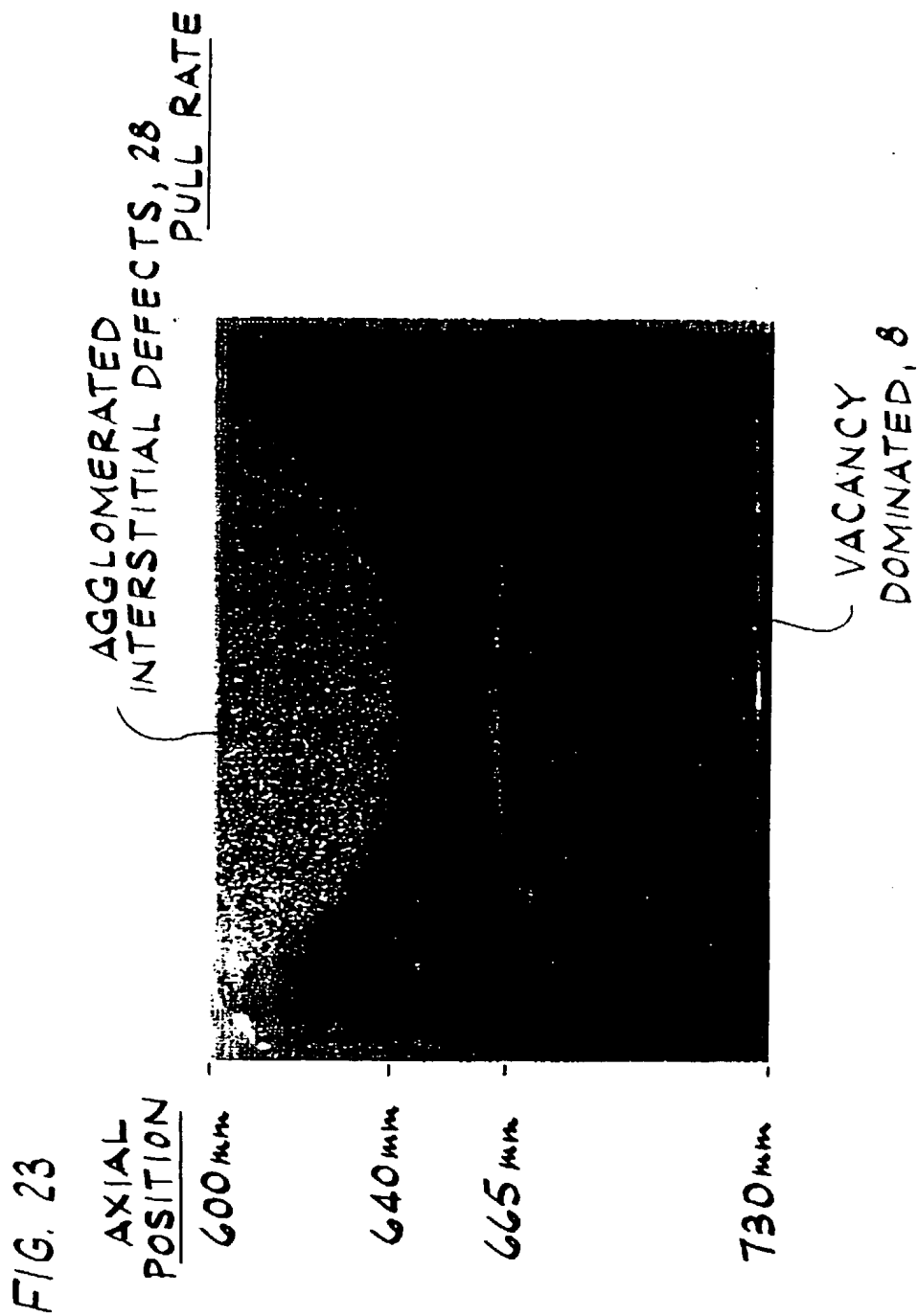
FIG. 22



O.G. Fig: 5
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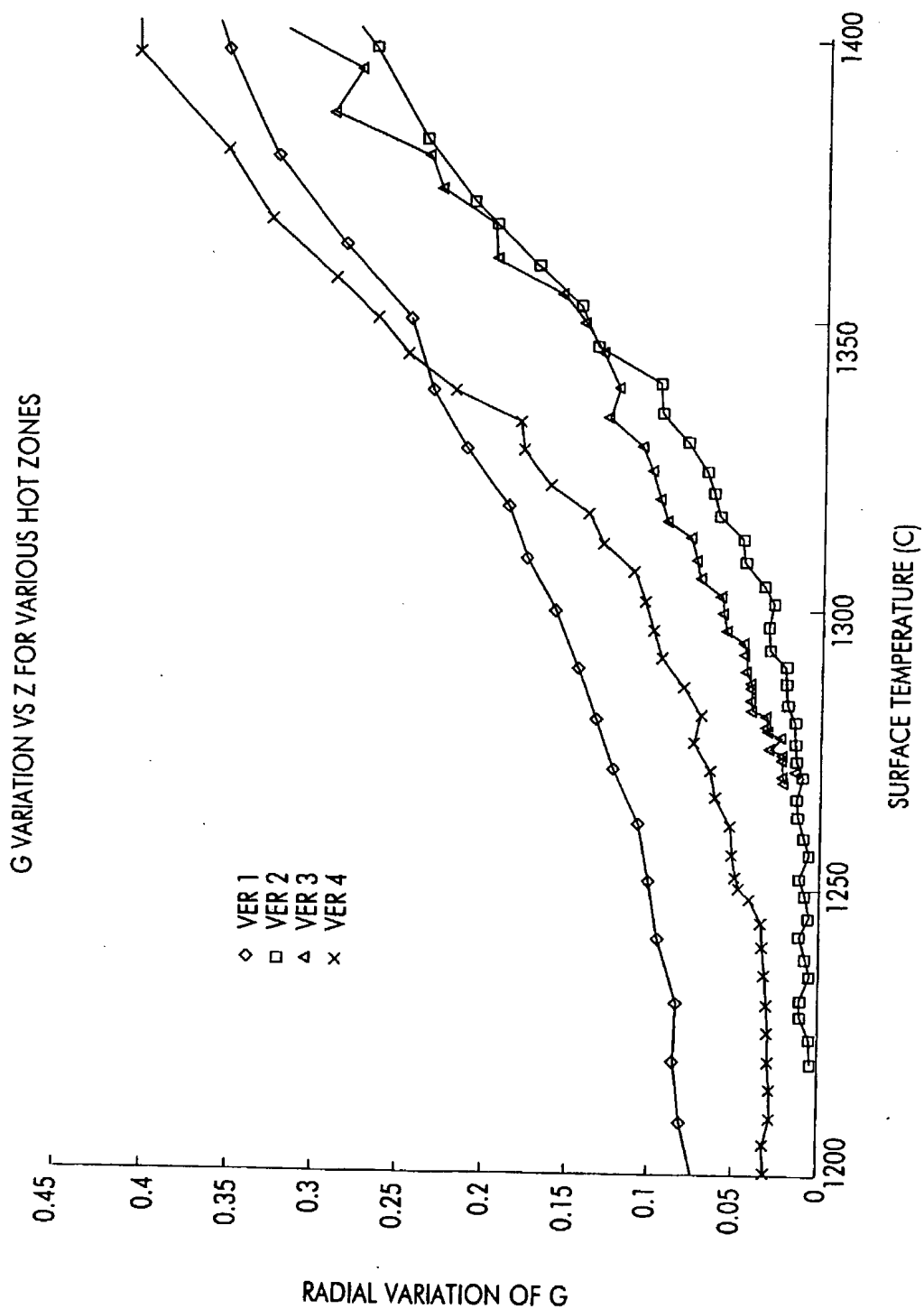


O.G. Fig: 5
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FIG.24



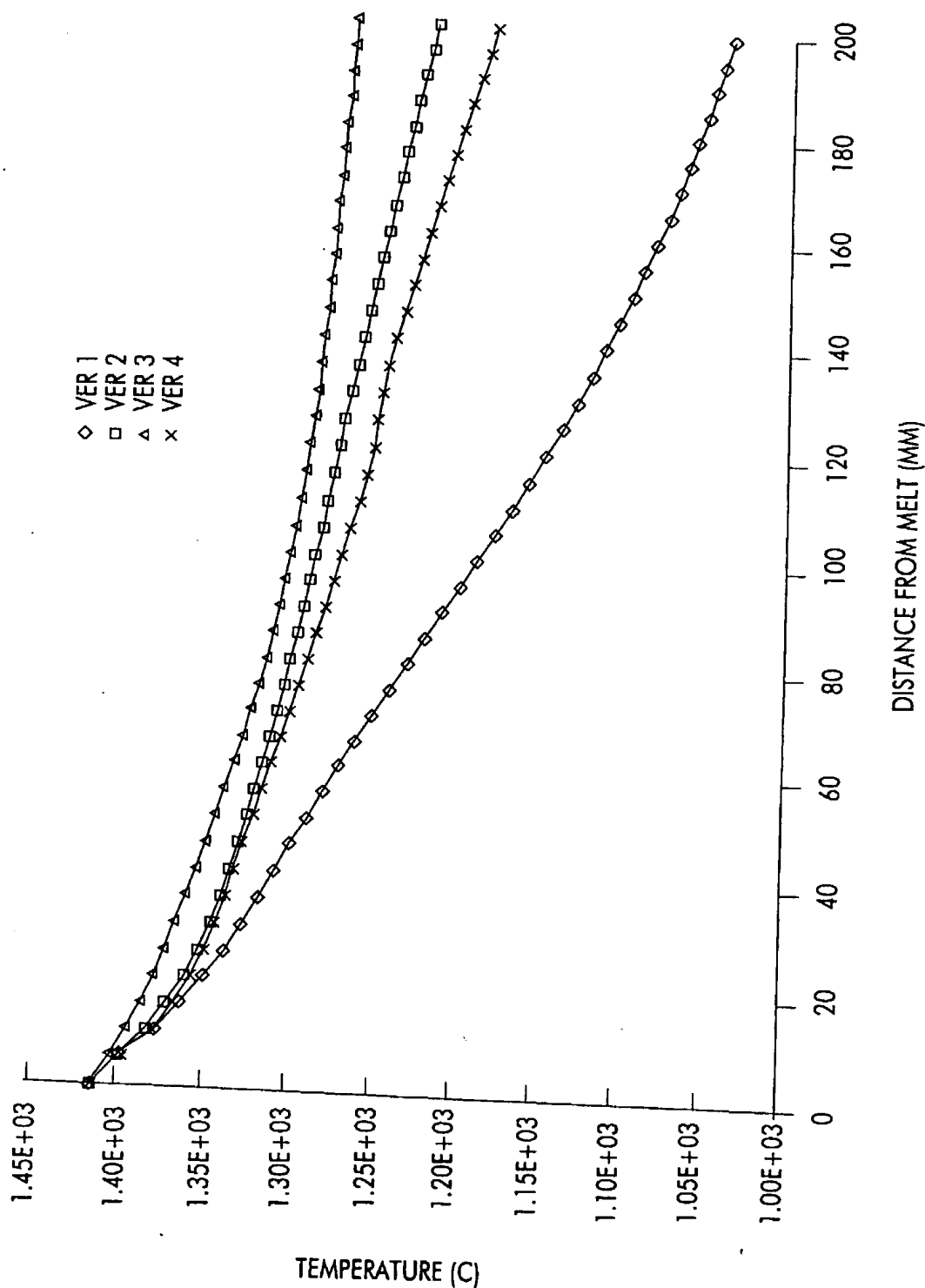
O.G. Fig: 5
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FIG.25

TEMPERATURE PROFILES FOR VARIOUS HOT ZONES



O.G. Fig: 5
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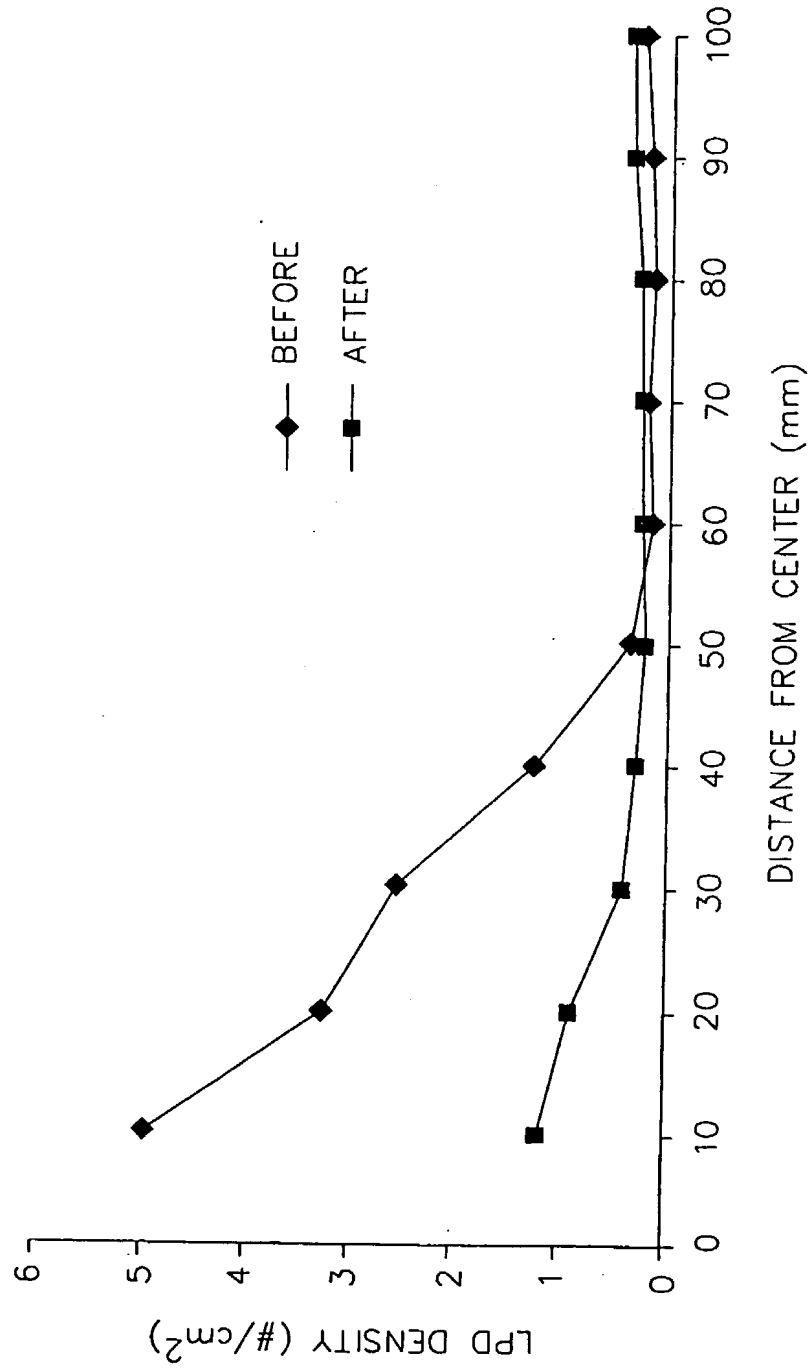
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FIG. 26

LPD RADIAL DISTRIBUTION
BEFORE/AFTER Ar ANNEALING (LPDs > 0.09 μm)



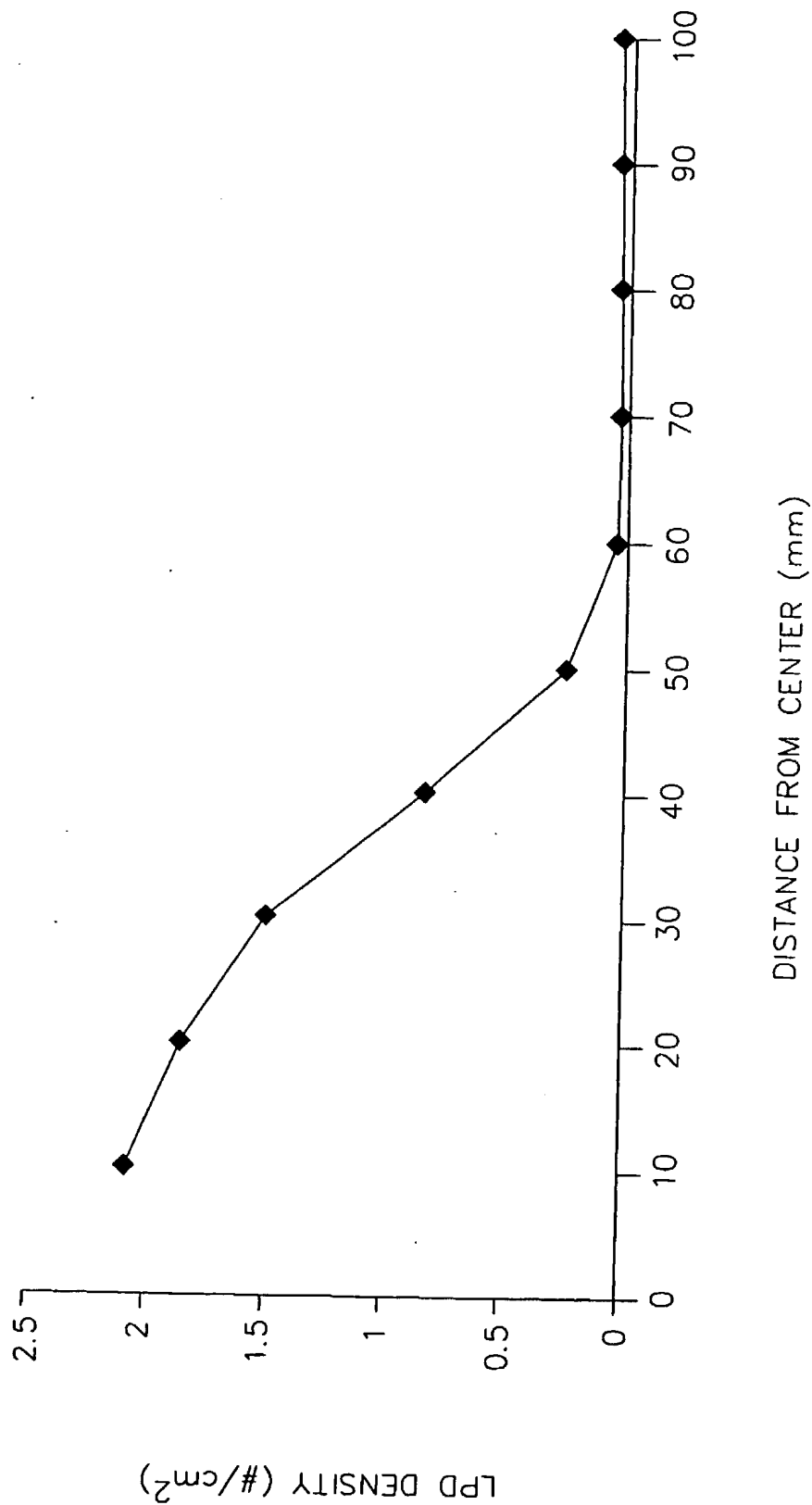
O.G. Fig = 5
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FIG. 27

LPD RADIAL DISTRIBUTION
(BEFORE Ar ANNEALING: 0.09-0.11 μm)



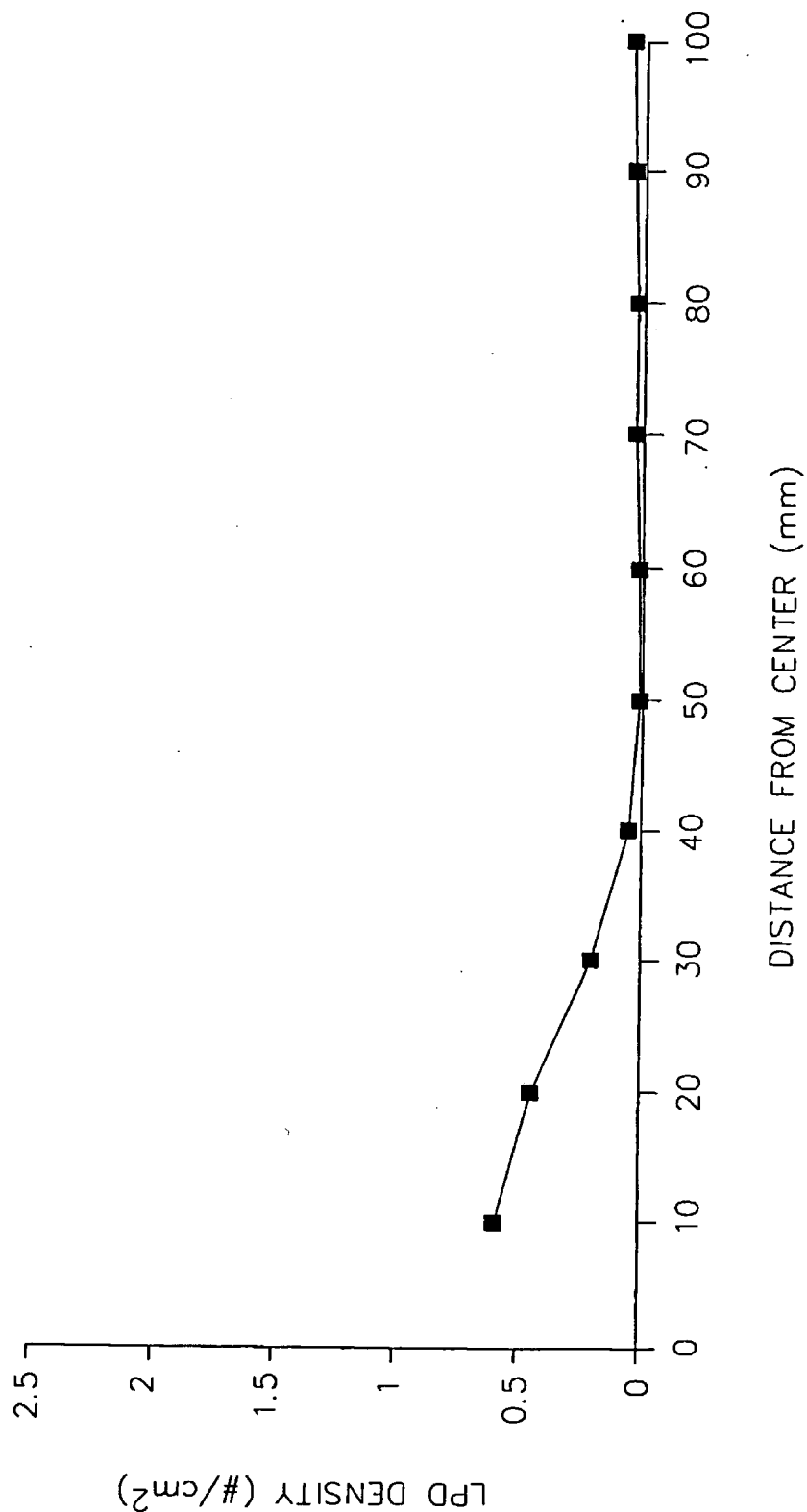
O.G. Fig: 5
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FIG. 28

LPD RADIAL DISTRIBUTION
(AFTER Ar ANNEALING: 0.09-0.11 μm)



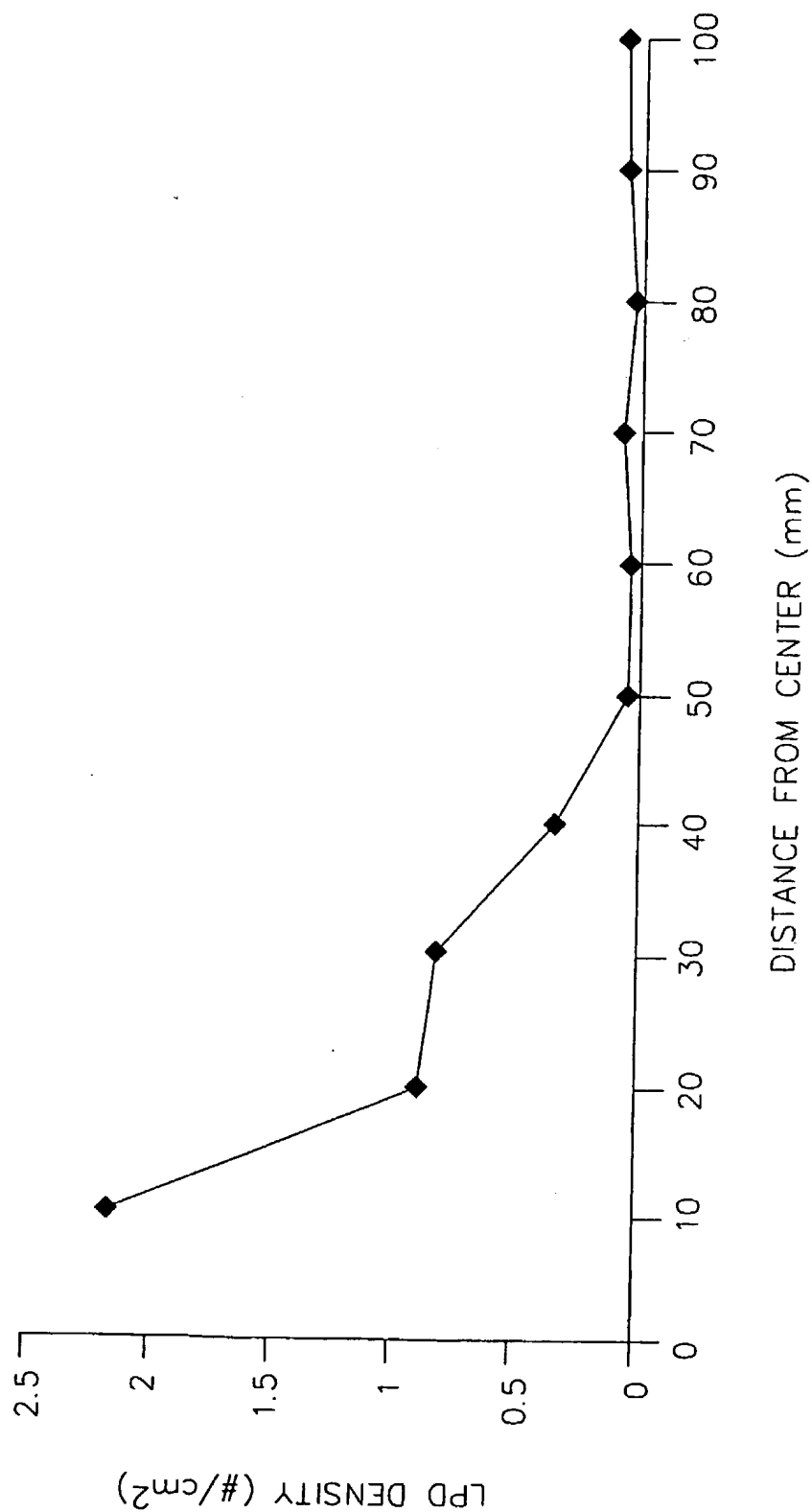
O.G. Fig: 5
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FIG. 29

LPD RADIAL DISTRIBUTION
(BEFORE: 0.11-0.13 μm)



0.6 Fig: 5
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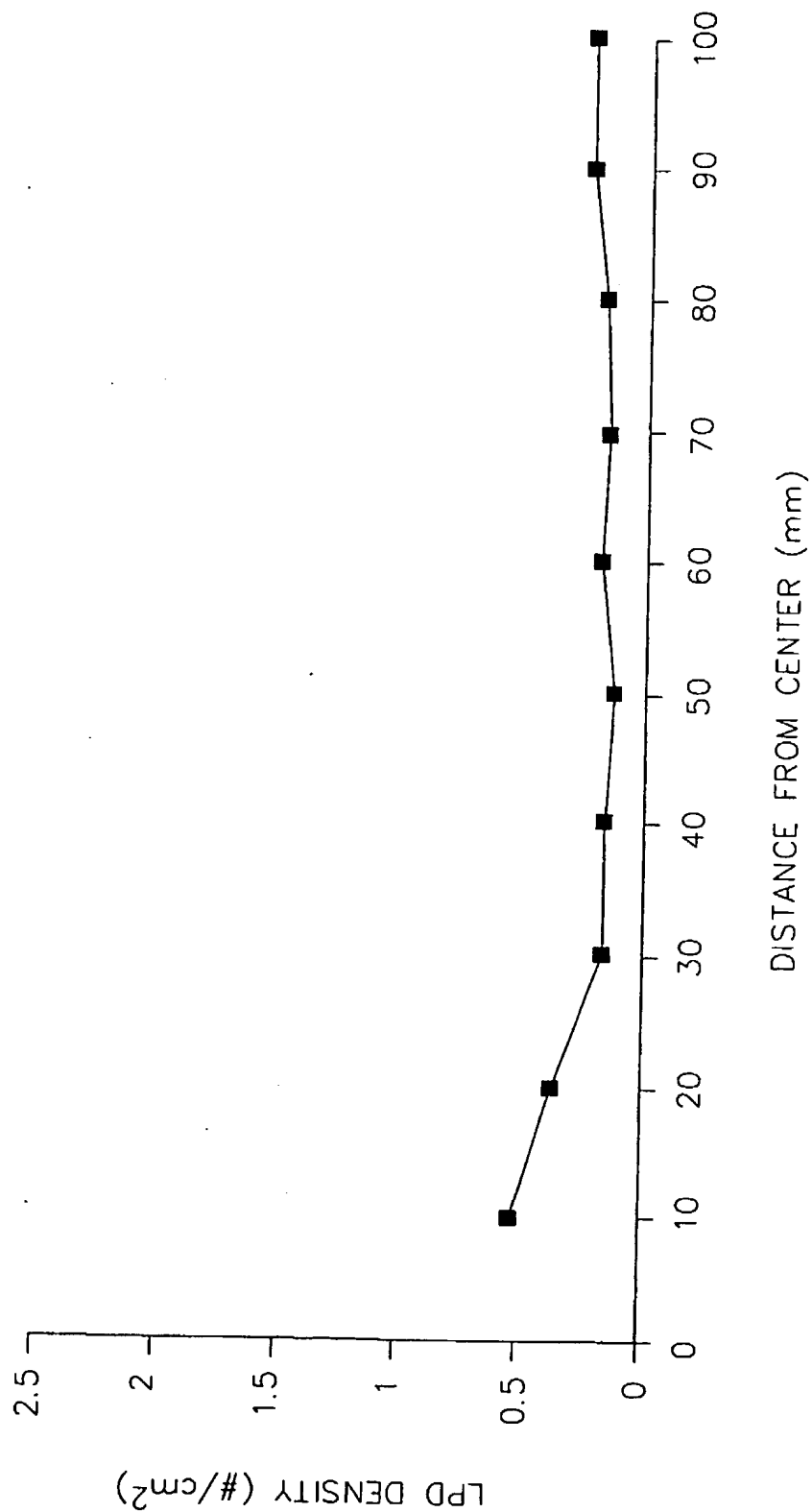
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FIG. 30

LPD RADIAL DISTRIBUTION
(AFTER Ar ANNEALING: 0.11-0.13 μm)



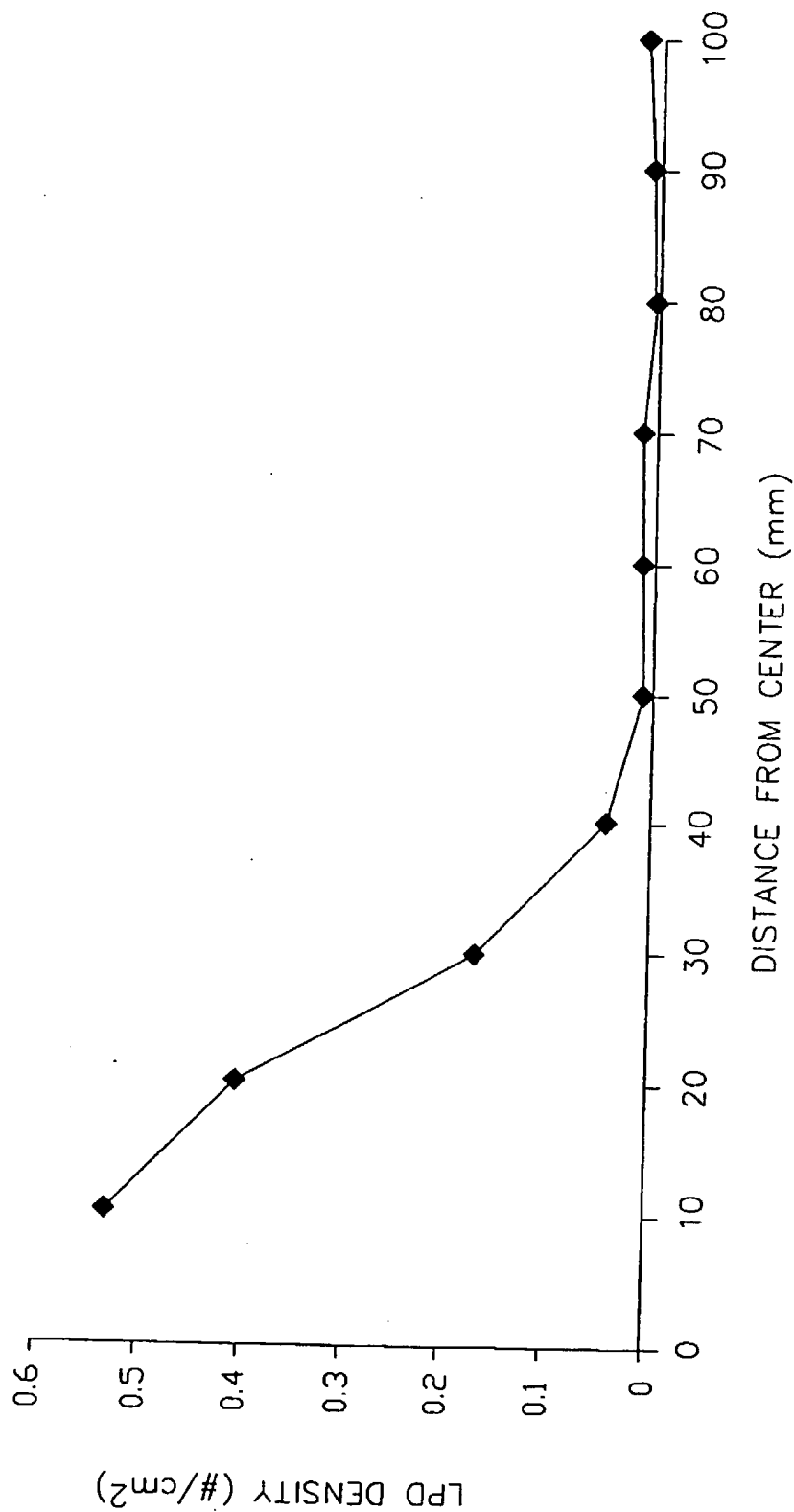
O.G. Fig: 5
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FIG. 31

LPD RADIAL DISTRIBUTION
(BEFORE: 0.13-0.15 μm)



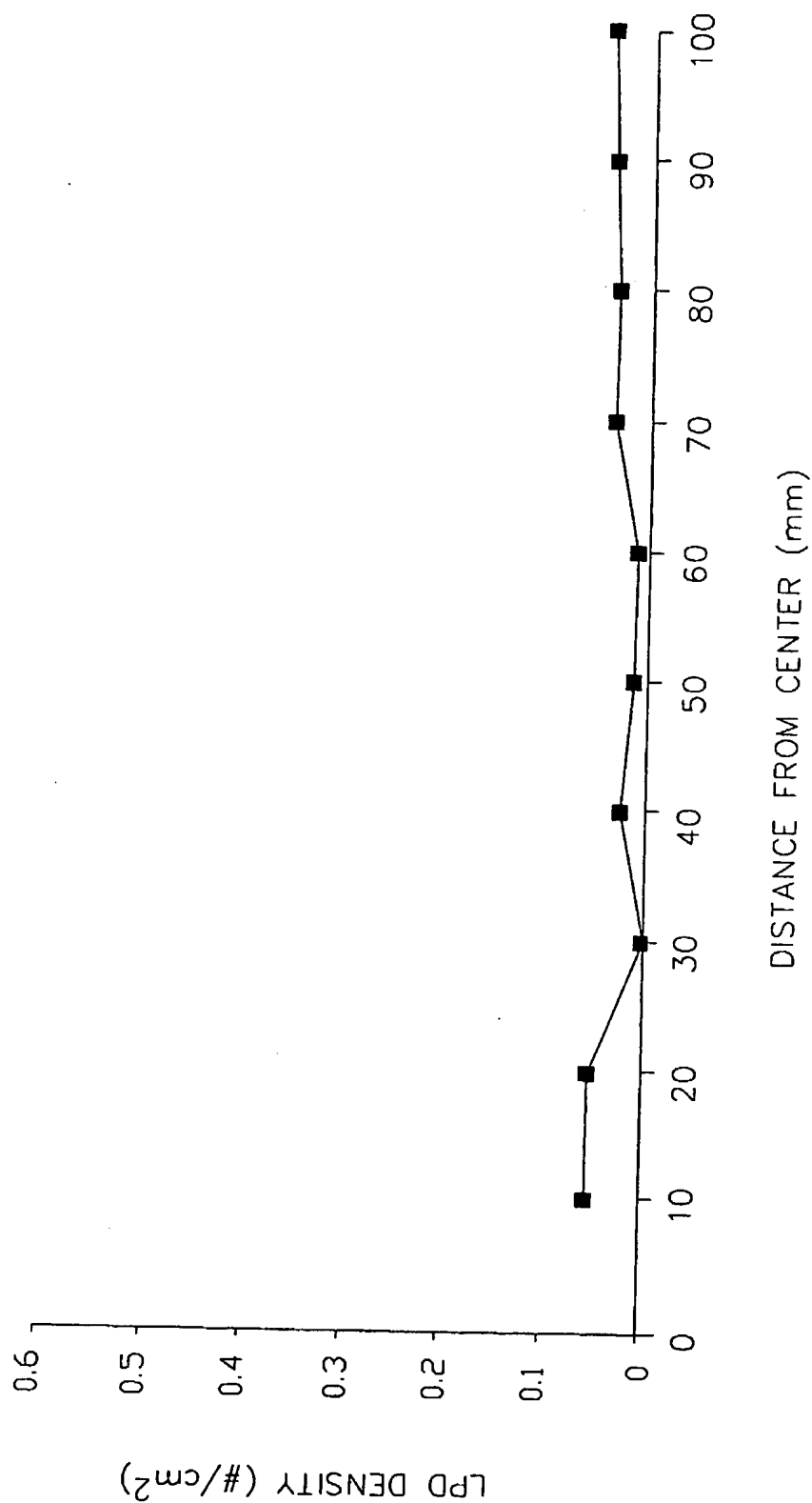
O.G. Fig: 5
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FIG. 32

LPD RADIAL DISTRIBUTION
(AFTER Ar ANNEALING: 0.13-0.15 μm)



06. Fig: 5
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FIG. 33a

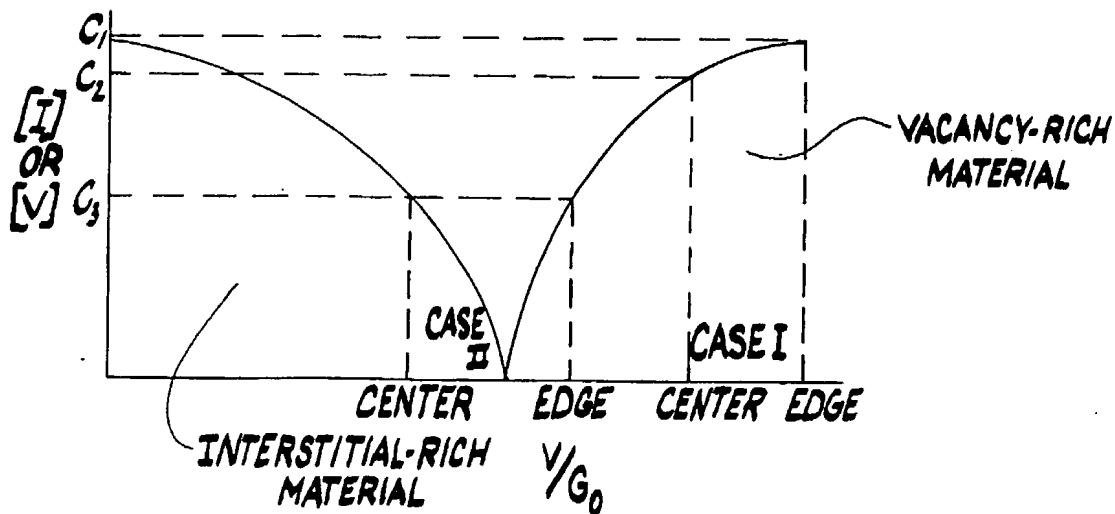


FIG. 33b

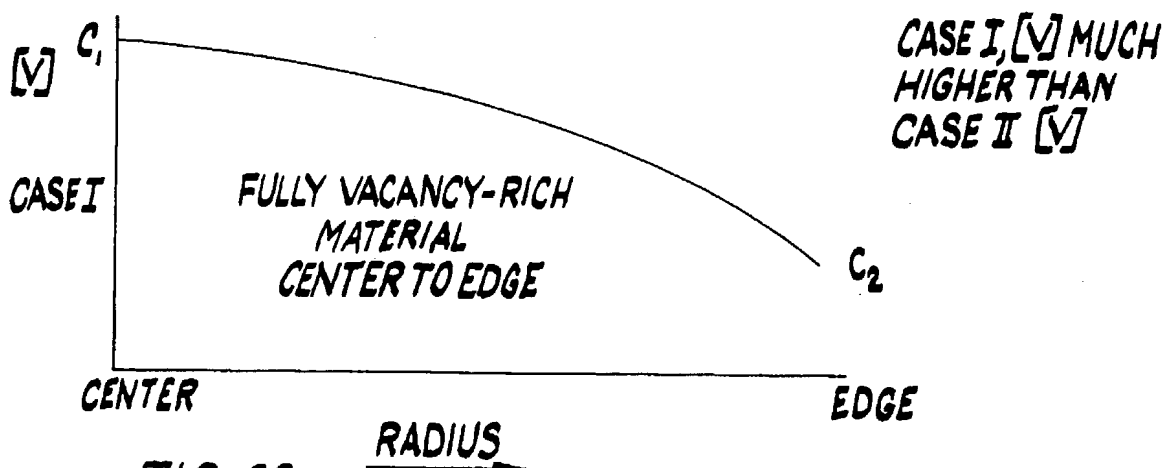


FIG. 33c

